



**TECHNICAL DATA SHEET**

# 411MXM2152

## Class H 180°C Insulation

A composite laminate of type 411 Nomex® aramid fiber sandwiched between two electrical grade polyester films, bonded by a high temperature structural adhesive system.

### PRODUCT ATTRIBUTES

- Excellent Thermal Stability, Electrical properties
- Excellent Mechanical Properties
- Excellent Thermal Conductivity

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
<b>NOMINAL THICKNESS</b> , inches	0.019	ASTM D374
<b>YIELD</b> Square Yards per Pound Pounds per Square Yard	1.65 0.60	
<b>DIELECTRIC STRENGTH</b> (Volts – 2" electrodes)	13,000	ASTM D149
<b>TENSILE STRENGTH</b> (psi) Machine Direction (MD) Cross Machine Direction (XMD)	105 95	ASTM D828

### STORAGE

- Shelf life: one (1) year
- Store in a clean area free from exposure to excessive heat, moisture or direct sunlight (50°F to 80°F).

*Product performance will vary in each application and is dependent upon composite construction. Arlon Innovations does not guarantee the replication of this data by third parties. None of the data or statements contained herein is intended to warrant the performance of this product. Data is representative and not intended as a manufacturing specification.*